



U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS WEEKLY EDITION

District: 13

Week: 37/04

Boating Safety Classes or Information: 1-800-336-BOAT (2628)

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
915 Second Avenue, Seattle, Washington 98174-1067
Telephone (206) 220-7280 FAX # (206) 220-7265
Email: D13LNM@pacnorwest.uscg.mil
<http://www.navcen.uscg.gov/lnm/d13/>

LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2004 Edition

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website

<http://www.navcen.uscg.gov/gps/status/default.htm>.

In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or LORAN service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at: <http://www.navcen.uscg.gov>.

BROADCAST NOTICE TO MARINERS

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-1029-04	D13-1051-04

ABBREVIATIONS

ACOE - Army Corps of Engineers
ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
B - Buoy
BKW - Breakwater
B - Refer to Light List
BNM - Broadcast Notice to Mariner
CG - Refer to Light List
CHAN - Channel
CGD - Coast Guard District
CR - Refer to Light List
C/O - Cut Off
CONT - Contour
CONSTR - Construction
CRK - Creek
CONST - Construction
DBN - Daybeacon
DBD/DAYBD - Dayboard
DBN/DEST - Daybeacon Destroyed
DBN IMCH - Daybeacon Improper Characteristic
DISCON - Discontinued
DMGD - Daybeacon Damaged

EST - Established Aid
EVAL - Evaluation
EXT - Extinguished
FL - Flashing
F/S - Fog Signal
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
ICW - Intracoastal Waterway
IMPCHA - Improper Characteristics
INL - Inlet
INOP - Not Operating
ISL - Islet
KBG - Refer to Light List
KBG-I - Refer to Light List
KBR - Refer to Light List
KBR-I - Refer to Light List
KBW - Refer to Light List
KGB - Refer to Light List
KGB-I - Refer to Light List
KGR - Refer to Light List
KGR-I - Refer to Light List

KGW - Refer to Light List
KGW-I - Refer to Light List
KRB - Refer to Light List
KRB-I - Refer to Light List
KRG - Refer to Light List
KRG-I - Refer to Light List
KRW - Refer to Light List
KWB - Refer to Light List
KWB-I - Refer to Light List
KWG - Refer to Light List
KWG-I - Refer to Light List
KWR - Refer to Light List
KWR-I - Refer to Light List
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LWB - Lighted Whistle Buoy

MISS - Missing	OBSCU - Obscured	SG - Green Square on pile
MR - Refer to Light List	OBST - Obstruction	SG-SY - Green Square with Yellow Square on pile
MR-I - Refer to Light List	OBSTR - Obstruction	SHL - Shoaling
N/A - Not Available	PRIV - Private Aid	SND - Sound
NB - Refer to Light List	RBN - Radio Beacon	STM - Statue Mile
N/C - Not Charted	REBUILT - Aid Rebuilt	TEMP - Temporary Aid Change
ND - Refer to Light List	RECOVERED - Aid Recovered	TR - Red Triangle on pile
NG - Refer to Light List	RED - Red Buoy	TRLB - Temporarily Replaced by Lighted Buoy
NIMA - National Imagery and Mapping Agency	REDINT - Reduced Intensity	TRLT - Temporarily Replaced by Light
NL - Refer to Light List	RRL - Range Rear Light	TR-TY - Red Triangle with Yellow Triangle on pile
NO - Number	RELIGHTED - Aid Relighted	TRUB - Temporarily Replaced by Unlighted Buoy
NOS - National Ocean Service	RELOC - Relocated	
NR - Refer to Light List	RESET ON STATION - Aid Reset on Station	
NW - Refer to Light List	RFL - Range Front Light	
NW - Notice Writer	RIV - River	
NY - Refer to Light List	SEC - Section	

Additional Abbreviations Specific to this LNM Edition:

LED - Light Emitting Diode

LWP - Light Watching Properly

CPA - Point of Closest Approach

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

WASHINGTON - STRAIT OF JUAN DE FUCA - Gunnery Exercise

The U.S. Coast Guard will be conducting live firings in area Whiskey Hotel from 1630Z to 2230Z 22 Sep and possibly from 1630Z to 2230Z 23 Sep 04. For additional information, contact the U.S. Coast Guard at (360) 645-2237.

Charts 18480

LNM: 37/04

COLUMBIA AND SNAKE RIVERS - 2004 Winter Seasonal Lockage Schedule for Recreational Craft

The U.S. Army Corps of Engineers, Walla Walla and Portland Districts, have implemented the 2004/2005 winter seasonal lockage schedule, which is effective from 16 September 2004 to 14 May 2005 for the passage of recreational craft through the following navigation locks:

Walla Walla District Locks			Portland District Locks		
Navigation Lock	Location	Chart	Navigation Lock	Location	Chart
McNary Dam	Columbia River Mile 292	18539	Bonneville Dam	Columbia River Mile 145	18531
Ice Harbor Dam	Snake River Mile 9.7	18545	The Dalles Dam	Columbia River Mile 191	18533
Lower Monumental Dam	Snake River Mile 41.6	18545	John Day Dam	Columbia River Mile 216	18535
Little Goose Dam	Snake River Mile 70.3	18546			
Lower Granite Dam	Snake River Mile 107.3	18548			

When a recreational vessel lockage schedule is in effect, recreational vessels will only be allowed to lock through at the times designated for such lockages and they will take precedence over commercial vessels. Commercial vessels will continue to be locked through upon arrival except during the times specified for recreational vessel lockages. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial craft. All vessel owner/operators lock through at their own risk. Follow the directions of the lock operator when using the locks or operating in the vicinity of the locks. The lock operator has the final authority on the suitability of a craft for lockage. Refer to the U.S. Army Corps of Engineers Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers for additional safety requirements. For additional information on this matter or copies of the Safe Lockage policy, visit the following website: <http://www.nwp.usace.army.mil/op/s/nl> or contact the Walla Walla District at (509) 527-7115/(509) 527-7113 or the Portland District at (503) 808-4332/(503) 808-4333.

The three Portland District Locks and the five Walla Walla District Locks will use the same lockage schedule making the lockage times for the entire Columbia/Snake River system identical for recreational vessels. The following seasonal recreational craft lockage schedule will be implemented beginning 16 Sep 2004:

Traffic Direction	Times		
Upstream Lockages	8:00 a.m.	11:00 p.m.	3:00 p.m.
Downstream Lockages	8:30 a.m.	11:30 p.m.	3:30 p.m.

Consideration will be given for special lockages to flotillas or other unique events sponsored by yacht clubs, marinas, and other groups, provided advance (24 hours) arrangements have been made with the appropriate operations manager or their appointed representative. The following project office and operations managers should be contacted for scheduling of special lockages:

Project	Operations Managers	Phone Number	Alternate Number
Bonneville	Chief Operator on Duty	(541) 374-8323	N/A
The Dalles	Chief Operator on Duty	(541) 298-4007	N/A
John Day	Chief Operator on Duty	(541) 298-9712	N/A
McNary	Randell Ryan	(541) 922-2251	(541) 922-3214
Ice Harbor	Scott Sutliff	(509) 543-3251	(509) 547-7783
Lower Monumental	Matt Allen	(509) 282-7353	(509) 282-3218
Little Goose Project	Scott Ross	(509) 399-2233 x253	(509) 399-2233 x231
Lower Granite Project	Martin Mendiola	(509) 843-1493 x258	(509) 843-1493 x231

Chart N/A

LNM: 37/04

WASHINGTON - HOOD CANAL - Research Buoys

The U.S. Geological Survey has deployed two bottom mounted temporary current meter cages with scientific instruments inside, in approximate positions 47-21-31N 123-01-08W and 47-21-45N 123-04-48W, through approximately 26 Oct 04. Mariners are requested not to drop anchors or drag anything along the bottom that might snag the moorings. For additional information, contact U.S. Geological Survey at (253) 428-13600 X2694.

Chart 18445

LNM: 37/04

WASHINGTON - PORT TOWNSEND - Navigation Hazard

A red buoy labeled number 6 is tied to the Port Townsend Railroad Pier. Additionally another red buoy is adrift in the Straits of Juan De Fuca. Mariners are requested to report sightings of the adrift buoy to the U.S. Coast Guard Group Seattle on VHF-FM Channel 16.

Chart 18441

LNM: 36/04

WASHINGTON - OFF SHORE - Gunnery Exercise

The U.S. Coast Guard will be conducting live firings in area W-237B from 1500Z to 1800Z 29 Sep 04. For additional information, contact the U.S. Coast Guard at (360) 417-5980.

Charts 18480,18500

LNM: 36/04

OREGON - WILLAMETTE RIVER - Willamette Falls Navigational Locks Closure

The Willamette Falls Locks, located at mile 26.1 on the Willamette River, will be closed indefinitely beginning at 2000 local on 30 Sep 04. Funding for the continued operation and maintenance of the locks is pending approval of fiscal year 2005 appropriations. The Locks will remain open for public use through 30 Sep 04 from 0700 to 2000 local, Monday through Thursday, and from 1000 to 2000 local, Friday through Sunday. For additional information, contact U.S. Army Corps of Engineers, Public Affairs Office at (503) 808-4510 or visit the Portland District web page at <https://www.nwp.usace.army.mil/op/b/wfl.htm>.

Chart 18528

LNM: 35/04

WASHINGTON - SAN JUAN ISLANDS - Construction

Caldwell Marine International will be working a submarine cable project at the following San Juan Islands: Decatur to Blakely crossing, Blakely to Orcas Crossing, Orcas to Shaw crossing and the Shaw to Lopez crossing 30 Aug through 24 Sep 04. The vessels on location are the CMI Cable Lay Barge, Tug Island Mist WDA 3553 and the Tug Island Eagle WDB 2798. All the vessels will be monitoring VHF-FM Channels 10 and 16. For additional information, contact Caldwell Marine International at (732) 557-6114.

Chart 18421

LNM: 35/04

WASHINGTON - OFF SHORE - Research Buoys

The U.S. Navy will be deploying two temporary research buoys in approximate positions 46-51-24N 124-52-42W and 46-50-24N 124-52-42W on or about 17 Sep 04 through approximately 28 Sep 04. The characteristics of both buoys will be Quick 5 Yellow 20s (Q5 Y 20s). For additional information, contact SPAWARSYSCEN San Diego at (619) 553-1962.

Chart 18500

LNM: 34/04

ALASKA - LORAN-C - PORT CLARENCE

The United States Coast Guard is considering relocating its Loran-C operations from Port Clarence, Alaska (7960-Z/9990-Y) to Nome, Alaska. This proposal could alter the operations and coverage provided by the North Pacific (9990) and Gulf of Alaska (7960) Loran-C chains. Disestablishing Loran-C Station Port Clarence and establishing a new Loran-C Station in the Nome, Alaska area will likely affect the public's usage of Loran-C. While the coverage area provided by the 9990 and 7960 Loran-C chains will vary only slightly, users will no longer be able to use the 9990-Y or 7960-Z baselines without having their receivers reprogrammed to reflect the changes in latitude and longitude. It is possible that receivers that are not reprogrammed could provide hazardously misleading information to the user. In addition, timing users will need to determine a new reference value due to the geographic location of the station.

At this time, the Coast Guard is seeking comments only with respect to the impact on Loran-C operations. After this has been considered, should the Coast Guard choose to continue with this proposal, the Coast Guard will prepare an Environmental Assessment. Comments should be addressed to LT Kirk W. Montgomery at (703) 313-5872 or email: kmontgomery@navcen.uscg.mil.

Chart N/A

LNM: 32/04

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
740/ 16075	Quillayute River Approach Lighted Whistle Buoy Q	TEMP RELOC 47-53-24.4N 124-39-57.1W	18480	D13-0828-04	31/04	
8750	Coos Bay Entrance Lighted Buoy 2	Off Station 74 yds / 321°T	18587	D13-1019-04	36/04	
8755	Coos Bay North Jetty Lighted Gong Buoy 3	Off Station 66 yds / 249°T	18587	D13-1018-04	36/04	
10235	Pillar Rock Lower Range Front Light	IMPCHA Focal plane 12ft lower REDINT / 3NM TEMP LED	18523	D13-0732-04	28/04	
10485	Westport Dike Light 60	REDINT / 3NM TEMP LED	18523	D13-0680-04	26/04	
12645	Lake Umatilla Light 50	EXT	18539	D13-1047-04	37/04	
12685	Lake Umatilla Light 59	REDINT	18539	D13-0986-04	35/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB Off Station	18441	D13-0905-03	32/04	
19265	Bellingham Breakwater Entrance Light 2	Characteristics TEMP changed to FI R 2.5s 5NM / F/S INOP	18421	D13-0818-04	30/04	
19935	International Boundary Range C Front Light	IMPCHA / DBD Faded and Peeling	18421	D13-1191-02	38/02	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-0478-04	18/04	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
9195	Haynes Inlet Channel Daybeacon 1	IMPCHA	18587	D13-0479-04	18/04	
9205	Haynes Inlet Channel Daybeacon 5	IMPCHA	18587	D13-0480-04	18/04	
9210	Haynes Inlet Channel Daybeacon 7	IMPCHA	18587	D13-0481-04	18/04	
11965	Hood River Marina Entrance Light	EXT	18532	D13-1042-04	37/04	
12385	John Day Dam Lower Breakwater Light 2	MISS	18535	D13-1030-04	37/04	
12390	John Day Dam Lower Guidewall Light 4	MISS	18535	D13-1031-04	37/04	
12930.6	Lower Middle Channel Approach Buoy E	MISS	18542	D13-0800-04	30/04	
12930.7	Lower Middle Channel Approach Buoy G	MISS	18542	D13-0954-04	34/04	
12930.9	Lower Middle Channel Approach Buoy 3	IMPCHAR / Off station	18542	D13-0955-04	34/04	
12930.94	Lower Middle Channel Approach Buoy 9	IMPCHAR / Off station	18542	D13-0953-04	34/04	

13025	Hedges Terminal Wharf South Light	EXT	18542	D13-1044-04	37/04
13263	Ice Harbor Research Float	EXT	18545	D13-1041-04	37/04
14400	China Bar Light 3	EXT	18553	D13-N/A	36/04
15030	Oswego North Pier Light	IMPCHAR	18528	D13-0973-04	35/04
15035	Oswego South Pier Light	IMPCHAR	18528	D13-0974-04	35/04
16310	Port Angles Dock Light	IMPCHAR	18465	D13-0898-04	32/04
16680	Point Wells Range Front Light	EXT / Obscured by vegetation	18441	D13-1027-04	36/04
16720	Edmonds Fishing Reef Buoys (2)	1 of 2 MISS	18441	D13-1028-04	36/04
17127	Middle Waterway Buoy 1	MISS	18448	D13-0926-04	33-04
17731	Mariculture Lighted Buoys (2)	EXT	18441	D13-0957-04	35/04
18165	Lower Guide Wall Light	IMPCHAR	18447	D13-0840-04	31/04
18175	Upper Guide Wall Light	IMPCHAR	18447	D13-0841-04	31/04

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

SECTION III – TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
16856	Coast Guard Pier Light North	TEMP DISCON	18449	D13-0729-03	26/03	
16857	Coast Guard Pier Light South	TEMP DISCON	18449	D13-0729-03	26/03	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

SECTION IV – CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which Chart(s) are to be corrected. The following example explains the individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariner
18427	20 TH ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
<p>Chart Title: WA – ANACORTES TO SKAGIT BAY - (Temp) Add Ben Ure Island Light 2, FI R 4s, 25ft 4M at 48-24-12.100N 124-37-42.000W</p>						
	↑ Corrective Action	↑ Object of Correction Action				↑ Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18421	46th ed	Sep 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA								
Change	Pearl Island Dock Light characteristics to FI Y 4s				at	48-37-02.000N	123-09-39.000W	
18423	34th ed	Dec 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - BELLINGHAM TO EVERETT INCLUDING SAN JUAN ISLANDS								
Change	Pearl Island Dock Light characteristics to FI Y 4s				at	48-37-02.000N	123-09-39.000W	
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18433	5th ed	Dec 2002	Last LNM 17/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - HARO STRAIT								
Change	Pearl Island Dock Light characteristics to FI Y 4s				at	48-37-02.000N	123-09-39.000W	
18440	27th ed	Nov 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND								
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18441	43rd ed	Jul 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND - NORTHERN PART								
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18448	33rd ed	Sep 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND - SOUTHERN PART								
Add	Tacoma Narrows Outfall Pipe Lighted Buoy FI W 4s (Priv)				at	47-16-24.000N	122-33-22.000W	
18471	9th ed	Jun 2003	Last LNM 29/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - APPROACHES TO ADMIRALTY INLET - DUNGENESS TO OAK BAY								
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18473	7th ed	Dec 2002	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND - OAK BAY TO SHILSHOLE BAY								
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18474	8th ed	Oct 2003	Last LNM 35/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND - SHILSHOLE TO COMMENCEMENT BAY								
Add	Tacoma Narrows Outfall Pipe Lighted Buoy FI W 4s (Priv)				at	47-16-24.000N	122-33-22.000W	
18477	5th ed	25 Aug 2001	Last LNM 34/04	NAD 83	(CCGD 13)			37/04
<i>Chart Title:</i> WA - PUGET SOUND - ENTRANCE TO HOOD CANAL								
Change	Puget Sound Traffic Lane Separation Lighted Buoy SC characteristics to FI Y 2.5s				at	48-01-51.331N	122-38-09.570W	
18521	70th ed	Oct 2003	Last LNM 33/04	NAD 83	(NOS NW -8203)			37/04
<i>Chart Title:</i> OR - WA - COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT								
Add	Tabulation: Columbia River				centered	at	46-07-54.000N	123-45-55.000W
	COLUMBIA RIVER CHANNEL ENTRANCE TO MILLER SANDS							
18523	54th ed	Oct 2003	Last LNM 33/04	NAD 83	(NOS NW -8205)			37/04
<i>Chart Title:</i> OR - WA - COLUMBIA RIVER - HARRINGTON POINT TO CRIMS ISLAND								
Add	Tabulation: Columbia River				centered	at	46-08-44.000N	123-32-06.000W
	MILLER SANDS RANGE TO GULL ISLAND TURN							
18524	34th ed	Jun 2004	Last LNM 33/04	NAD 83	(NOS NW -8044,8210)			37/04
<i>Chart Title:</i> OR - WA - COLUMBIA RIVER-CRIMS ISLAND TO ST HELENS								
Substitute	6 ft sounding for 36 ft				at	46-02-28.400N	122-52-34.200W	
Substitute	1 ft sounding for 6 ft				at	46-02-19.800N	122-52-33.900W	
Add	Tabulation: Columbia River				centered	at	46-03-45.000N	122-57-49.000W
	GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN							
Add	1/2 ft sounding				at	46-05-39.300N	122-55-31.300	
18525	34th ed	May 2004	Last LNM 33/04	NAD 83	(NOS NW -8004,8207)			37/04
<i>Chart Title:</i> OR - WA - COLUMBIA RIVER-SAINT HELENS TO VANCOUVER								
Add	Dotted danger curve, blue tint, and label: Obstr PA				at	45-38-31.890N	122-44-01.120W	
Add	Tabulation: Columbia River				centered	at	45-36-47.000N	122-51-51.000W
	SAINT HELENS TURN TO TOMAHAWK BAR							
18526	56th ed	Dec 2004	Last LNM 33/04	NAD 83	(NOS NW -8004,8208)			37/04
<i>Chart Title:</i> OR - WA - PORT OF PORTLAND - INCLUDING VANCOUVER								
Add	Dotted danger curve, blue tint, and label: Obstr PA				at	45-38-31.890N	122-44-01.120W	
Add	Tabulation: Columbia River				centered	at	45-32-36.000N	122-45-19.000W
	MORGAN CHANNEL TO TOMAHAWK BAR							
18531	21st ed	Dec 2003	Last LNM 33/04	NAD 83	(NOS NW -8209)			37/04
<i>Chart Title:</i> OR - WA - COLUMBIA RIVER VANCOUVER TO BONNEVILLE								
Add	Tabulation: Columbia River				centered	at	45-38-08.000N	122-14-55.000W
	TOMAHAWK BAR TO BONNEVILLE LOCKS							

18542	10th ed	08 Jan 2000	Last LNM 12/04	NAD 83	(CCGD 13)	37/04
Chart Title: COLUMBIA RIVER - JUNIPER TO PASCO						
Add	Agrium Research Lighted Buoy "A" Fl Y 6s (Priv)				at 46-09-53.820N	119-00-45.000W
Add	Agrium Research Lighted Buoy "B" Fl Y 6s (Priv)				at 46-09-57.600N	119-00-52.200W
18551	8th ed	Feb 2004	Last LNM 24/04	NAD 83	(CCGD 13)	37/04
Chart Title: WA - FRANKLIN D. ROOSEVELT LAKE - SOUTHERN PART						
Relocate	Franklin D Roosevelt Lake Buoy 13 (47-57-35.0N 118-21-12.0W)				to 47-57-23.500N	118-21-21.000W
Change	Franklin D Roosevelt Lake Light A nominal range to 5NM				at 47-56-48.852N	118-56-08.088W
Change	Franklin D Roosevelt Lake Light B nominal range to 5NM				at 47-57-42.198N	118-51-38.568W
Change	Franklin D Roosevelt Lake Light C nominal range to 5NM				at 47-55-12.210N	118-49-01.422W
Change	Franklin D Roosevelt Lake Light D nominal range to 5NM				at 47-54-00.426N	118-43-03.414W
Change	Franklin D Roosevelt Lake Light F nominal range to 5NM				at 47-55-51.192N	118-37-00.444W
Change	Franklin D Roosevelt Lake Light G nominal range to 5NM				at 47-56-05.784N	118-32-41.898W
Change	Franklin D Roosevelt Lake Light H nominal range to 5NM				at 47-52-27.192N	118-32-09.540W
Change	Franklin D Roosevelt Lake Light I nominal range to 5NM				at 47-52-45.936N	118-27-20.544W
18553	7th ed	Apr 2004	Last LNM 17/04	NAD 83	(CCGD 13)	37/04
Chart Title: WA - FRANKLIN D ROOSEVELT LAKE-NORTHERN PART						
Relocate	Franklin D Roosevelt Lake Buoy 16 (48-34-53.5N 118-07-24.0W)				to 48-34-54.500N	118-07-26.500W
Change	Franklin D Roosevelt Lake Light Y nominal range to 5NM				at 48-26-47.624N	118-12-45.986W
Change	Franklin D Roosevelt Lake Light AA nominal range to 5NM				at 48-29-47.630N	118-11-03.983W
18554	7th ed	14 Mar 1998	Last LNM 07/03	NAD 83	(CCGD 13)	37/04
Chart Title: LAKE PEND OREILLE						
Add	Cape Horn Marina Light Fl Y 4s (Priv)				to 47-59-00.300N	116-30-24.660W
18561	12th ed	Nov 2003	Last LNM 17/04	NAD 83	(CCGD 13)	37/04
Chart Title: OR - APPROACHES TO YAQUINA BAY						
Delete	Depoe Bay Entrance Range Front Light sectors				at 44-48-33.599N	124-03-42.871W
Delete	Depoe Bay Entrance Range Rear Light sectors				at 44-48-33.900N	124-03-41.200W
18581	17th ed	Sep 2002	Last LNM 34/04	NAD 83	(CCGD 13)	37/04
Chart Title: OR - YAQUINA BAY AND RIVER						
Add	OSU Dock Light F Y (Priv)				at 44-37-30.600N	124-02-37.200W
18584	47th ed	25 Aug 2001	Last LNM 24/04	NAD 83	(CCGD 13)	37/04
Chart Title: OR - UMPQUA RIVER - PACIFIC OCEAN TO REEDSPORT						
Delete	Umpqua River Channel Daybeacon 22				at 43-44-48.420N	124-07-58.819W
Add	Umpqua River Channel Light 22 Fl R 6s 4NM				at 43-44-48.420N	124-07-58.819W
18589	15th ed	14 Aug 1999	Last LNM 15/04	NAD 83	(NOS NW -8025)	37/04
Chart Title: OR - PORT ORFORD TO CAPE BLANCO						
Substitute	2 1/4 fm sounding for 3 fm				at 42-44-20.600N	124-29-52.500W
Substitute	2 1/2 fm sounding for 3 fm				at 42-44-19.600N	124-29-51.800W
Delete	3 fm sounding				at 42-44-21.000N	124-29-53.500W
Delete	3 fm sounding				at 42-44-22.700N	124-29-53.100W
Delete	2 1/2 fm sounding				at 42-44-21.900N	124-29-53.700W

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

Drill Rigs/Vessels Established

Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Waterway	Project Date	Ref. LNM
None		

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – HARO STRAIT	22 October 2004		LNM: 37/04
Navigation Aids: Due to new/improved navigation technology (DGPS)			

Discontinue the fog signal at Lime Kiln Light (LLNR 19695).

Charts 18421, 18423, 18433, 18434

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
SNAKE RIVER – LAKE SACAJAWEA	22 October 2004		LNM: 37/04

Navigation Aids: To properly mark the increased size of the Restricted Area behind Ice Harbor Dam.

Relocate Ice Harbor Dam Buoy "A" (LLNR 13225) to approximate position 46 15 06N, 118 52 31W.

Relocate Ice Harbor Dam Buoy "B" (LLNR 13230) to approximate position 46 15 05N, 118 52 22W.

Relocate Ice Harbor Dam Buoy "C" (LLNR 13235) to approximate position 46 15 00N, 118 52 12W.

Discontinue Ice Harbor Dam Buoy "D" (LLNR 13240).

Discontinue Ice Harbor Dam Buoy "E" (LLNR 13245).

Discontinue Ice Harbor Dam Buoy "F" (LLNR 13250).

Chart 18545

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – WILLAPA BAY – WILLAPA RIVER	22 October 2004		LNM: 37/04

Navigation Aids: No longer considered necessary for safe navigation in the waterway.

Discontinue Willapa River Range "C" Front and Rear Daybeacons (LLNR 15350/15355)

Chart 18504

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – GRAYS HARBOR – WESTPORT HARBOR	15 October 2004		LNM: 37/04

Navigation Aids: To improve range performance.

Discontinue the quick flashing red passing light on South Reach Range AA Front Light (LLNR 15665) and install a red quick flashing visible all around; higher intensity on range line lantern.

Navigation Aids: To match the visual intensity of the front range light.

Change South Reach Range AA Rear Light (LLNR 15670) from visible four (4) degrees each side of range line to visible 14 degrees each side of range line.

Chart 18502

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA	08 October 2004		LNM: 36/04

Navigation Aids: Due to new/improved navigation technology (DGPS).

Discontinue the fog signals at Iceberg Point Light 2 (LLNR 19540) and Cattle Point Light (LLNR 19555).

Charts 18400, 18421, 18423, 18429, 18434

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA	08 October 2004		LNM: 36/04

Navigation Aids: To improve navigation in the waterway.

Relocate Quillayute River Approach Lighted Whistle Buoy "Q" (LLNR 740/16075) to approximate position 47 53 24.429N, 124 39 57.145W.

Charts 18003, 18007, 18480

Navigation Aids: Due to vandalism and to accommodate the solarization of the light

Relocate Point Monroe Light (LLNR 16750/17915) to approximate position 47 42 37N, 122 30 40W. Additionally, change the light characteristics from Iso W 6s to flashing white every 2.5 seconds (FL W 2.5s), change the nominal range from six (6) to seven (7) nautical miles, change the focal height from 30 to 15 feet and change obscured from 321 to 089 degrees true to visible all around (omni-directional).

Charts 18441, 18445, 18446, 18473

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 07 Sep to 2359 local 29 Oct 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 20/04

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 18 Oct to 2359 local 30 Nov 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 26/04

OREGON - Bridge Information

Coquille River

The Bullard Ferry Bridge at Coquille River mile 3.5 has been disabled and cannot open for vessel traffic until repairs are made.

Chart 18588

LNM: 12/04

OREGON - Bridge Information (Revisions of LNM 04/04)

Willamette River

The Broadway Bridge at mile 11.7 will require 24 hour notification for openings from 27 Feb to 15 Nov 04 due to operations related to painting.

Chart 18526

LNM: 09/04

OREGON - Bridge Information (Revision of LNM 14/04)

Willamette River

The Burnside Bridge at mile 12.4 need not open for the passage of vessels from 0630 to 1100 local on 19 Sep 04, to accommodate public events.

Chart 18526

LNM: 37/04

OREGON - Bridge Information

Willamette River

The Hawthorne Bridge at mile 13.1 need not open for the passage of vessels from 1030 to 1130 local on 26 Sep 04, to accommodate a public event.

Chart 18526

LNM: 35/04

COLUMBIA RIVER - Bridge Information (Revision of LNM 12/04)

Vancouver

The dual liftspans of the Interstate 5 dual vertical lift bridges at river mile 106.5 will be maintained in the closed position until 2100 15 Oct 04 by a major mechanical-electrical rehabilitation project. Scheduled openings will occur, if requested, at 2100 local on 17 Sep and 01 Oct 04. From 2100 15 Oct to 2100 29 Oct 04, a two-hour notice is required for openings while new equipment is tested and adjusted.

Charts 18524, 18526

LNM: 36/04

WASHINGTON - Bridge Information

Snohomish River

The Burlington Northern Santa Fe Railroad Bridge #37 at mile 3.5 will have construction equipment for repairing the fender system of the main span and will temporarily be in and out of the channel until some time in October 2004. Mariners are advised to pass with caution.

Chart 18444

LNM: 33/04

WASHINGTON - Bridge Information

Duwamish West Waterway

The Spokane Street Dual Swingspan at mile 0.3 – Vessel operators who need draw openings are requested to pass through a west span opening whenever safe passage through this half-opening is possible. The Coast Guard recognizes this limited operation for consenting vessels only. Cracking has been discovered in the vertical lift cylinder of the east span. The manufacture and replacement of this unique part will take months. Minimizing the load bearing of the cylinder may prevent a failure of the east span similar to the one that occurred in 2001 at the west span. Operators will continue to open both sides of the bridge to any vessel that requests a full opening.

Chart 18450

LNLM: 11/02

WASHINGTON - Bridge Information (Revision of LNM 32/03)

Tacoma Narrows Bridge

Construction – Barges and other equipment will be deployed at various locations around the piers of the new parallel bridge currently under construction. Mariners should be alert to anchor cables and give all equipment a wide berth. Tower cranes will be mounted to the new piers (towers) and will swing wide with the possibility of accidental fall of material. Vessels and divers are advised to avoid the area within a 500-foot radius of the piers at 47-15-54N 122-32-49W and 47-16-15N 122-33-15W. Buoys mark anchor cables for retrieval. Lights may be extinguished by submersion in strong currents. The approximate position of these buoys at slack water are 47-16-04N 122-32-38W, 47-15-52N 122-32-43W, 47-15-50N 122-32-58W, 47-15-55N 122-33-00W, 47-16-13N 122-33-08W, 47-16-10N 122-33-17W, 47-16-05N 122-33-31W.

Charts 18448, 18474

LNLM: 35/04

WASHINGTON - Bridge Information

Hood Canal

The Hood Canal Bridge is unable to open on incoming tides until further notice.

Chart 18476

LNLM: 33/04

WASHINGTON - Bridge Information

Everett

State Route 529 Swingspan Bridge across Steamboat Slough at Everett is inoperable due to mechanical failure until further notice.

Chart 18443

LNLM: 36/03

Bridge Lighting Discrepancies:

Lights on the following bridges have been reported extinguished.

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNLM
Columbia River Mile 328.4	Intercity bridge	Kennewick, WA	EXT	09 Sep 04	1034-04	37/04
Columbia River Mile 330.0	SR12 Blue Bridge	Kennewick, WA	EXT	09 Sep 04	1035-04	37/04
Snake River Mile 1.5	BNSF Railroad	Pasco, WA	EXT	09 Sep 04	1037-04	37/04
Snake River Mile 2.2	SR12	Burbank, WA	EXT	09 Sep 04	1036-04	37/04
Willamette River Mile 25.5	I-205 Bridge	Oregon City, OR	EXT	27 Jul 04	0843-04	31/04
Coos Bay Mile 8.0	McCullough Bridge	North Bend, OR	EXT	03 Sep 04	1021-04	36/04
Pend Oreille River Mile 0.2	BNSFR Bridge 31	Sand Point, ID	EXT	23 Jul 04	N/A	32/04

Bridge Lighting Discrepancies Corrected:

The following bridge discrepancies have been corrected since the last Local Notice to Mariners:

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNLM
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THIRTEENTH COAST GUARD DISTRICT - 2004 Special Local Notice to Mariners

U.S. Coast Guard District 13 has Published the 2004 Special Local Notice to Mariners. The Special Local Notice to Mariners is available for down load from the web at <http://www.uscg.mil/d13/oan/slnm2004.pdf> or <http://www.navcen.uscg.gov/lrm/d13/slnm2004.pdf>. A limited number of Special Local Notice to Mariners are available for mailing by calling (206) 220-7270.

Chart N/A

LNLM: 27/04

THIRTEENTH COAST GUARD DISTRICT - Request for information on the use of large-scale driftnets on the high seas (Revision to LNM 09/04)

The United States Coast Guard (USCG) requests mariners be on the lookout for and report any observed driftnets or vessels engaged in driftnet fishing on the high seas (more than 200NM from shore). Sighting information may be made to any of the following Coast Guard offices:

Offices	Phone	Fax	Telex	Email
USCG Pacific Area Alameda, CA Commander (Poo) Coast Guard Island, 51-5 Alameda, CA 94568	1-800-246-7236 1-510-437-3701	1-510-437-3017	230172343	OD11/Pacarea@d11.uscg.mil
USCG 14th District Honolulu, HI Commander D14 (ole) 300 Ala Moana Blvd Honolulu, HI 96850-4982	1-800-331-6176 1-808-541-2500	1-808-541-2123		D14ccddutyofficer@D14.uscg.mil

USCG 17th District Juneau, AK
Commander D17 (ole)
PO Box 25517, Rm 771
Juneau, AK 99802-5517

1-800-478-5555
1-907-463-2000

1-907-463-2023

49615066

D17-cc@cgalaska.uscg.mil

Illegal high seas driftnet (HSDN) fishing has historically been conducted in the Northwest Pacific Ocean. Mariners following great circle routes between North America and Asia are most likely to encounter this activity. Fishing activity normally takes place between 01 Apr and 31 Aug. However, illegal activity may occur in other areas and at other times of the year.

Information desired include date, time, position, description of gear/vessel, name of vessel, home port and observed activity. Video or photographs are highly desired and can be mailed or emailed to any of the offices above.

HSDN Fishing Vessel Characteristics:

HSDN fishing vessels typically range from 120 to 200 feet in length and are usually in fair to poor condition. Distinguishing characteristics include:

Net tube: A large, usually white tube, which extends from the working deck to the net bin located aft. This tube is about two feet in diameter, runs along the port or starboard side of the superstructure, and is clearly visible from both the surface and air.

Net bin: A structure normally located on an aft deck in which the nets are stored.

Net spreader: A triangular or roller net spreading device, which prevents the net from becoming entangled as it enters the water. While only visible from the stern, this is one characteristic, which clearly distinguishes a HSDN fishing vessel from a longline or other fishing vessel.

Transponders: The radio transponders are approximately 4-6 ft tall, are used to mark the end of a net and are normally stored in racks on the weather decks.

When the net is in the water, it is normally suspended using cylindrical floats spaced every few feet, similar to swimming pool lane markers, with the ends of the nets marked with radio transponders. Other types of floats may be used, including larger spherical floats about 2-3 ft in diameter. The driftnets may vary from a couple hundred yards to several nautical miles in length.

Chart N/A

LNM: 32/04

THIRTEENTH COAST GUARD DISTRICT - Reporting suspicious activity

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to the National Response Center (NRC) at (800) 424-8802. The U.S. Coast Guard reminds the maritime industry that they may also report information concerning activity to their Local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, <http://www.fbi.gov/contact/fo/fo.htm>, or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at (888) 585-9078, or by e-mail to nipc.watch@fbi.gov.

Chart N/A

LNM: 15/03

COLUMBIA RIVER - OFF SHORE - Research Buoys

The Scripps Institution of Oceanography has deployed the following research buoys. Each buoy is yellow with a flashing yellow 4 second light (FL Y 4s).

Buoy RN	46-26-14.7N, 124-18-04.8W
Buoy RC	46-10-01.4N, 124-11-43.4W
Buoy RN	46-03-10.7N, 124-06-01.6W

Charts 18500, 18520

LNM: 26/04

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoy

The Oregon Health and Science University has temporarily deployed a Lighted Research Buoy (yellow can) at approximate position 46-10-30.0N 124-07-06.0W showing a Flashing Yellow 4 seconds (FL Y 4s) light. The buoy is expected to remain in place until 31 Oct 04. For additional information, contact Oregon Health and Science University at (503) 748-4059.

Chart 18521

LNM: 23/04

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoys (Revision to LNM 18/04)

Oregon State University has deployed 13 scientific buoys from bank to bank near Jim Crow Point at river mile 29 on the Columbia River until 29 Oct 04. Each buoy is a system of four 7in by 15in Styrofoam floats with attached contact information. For additional information, contact Oregon State University at (541) 737-2592.

Charts 18521, 18523

LNM: 26/04

COLUMBIA RIVER - ASTORIA - Construction Projects (Revision of LNM 45/02)

Marine construction activities are scheduled near Astoria on the Oregon side of the Columbia River at the Port of Astoria's Pier III near river mile 11. This is a long-term project that is expected to last until 2005. Mariners should use caution near the 1100-foot pier, as piles may not be visible at high tide. For questions concerning the long-term Pier III project contact the Port of Astoria at (503) 325- 4521.

Chart 18521

LNM: 35/03

COLUMBIA RIVER - WILLAMETTE RIVER - Construction

Ecology and Environment, Inc will be constructing a 25 acre sediment cap at river mile 7 of the Willamette River outside the navigational channel from 01 Jul to 31 Oct 04. Multiple barges will be in the area throughout the construction period. Mariners are requested to use caution in the vicinity of the construction. For additional information, contact Oregon Department of Environmental Quality at (503) 229-6748.

Chart 18526

LNM: 26/04

OREGON / WASHINGTON - COASTAL REGION - Tsunami Reporting System

As part of the Pacific Tsunami Reporting System the following surface buoys have been deployed by NOAA. Each buoy is a 2.5-meter disk, red and white in color, with the word "TSUNAMI" on it. Each buoy has a "FL Y 4s" light.

Buoy 46404	45-51-32N, 128-46-40W
Buoy 46405	42-54-10N, 130-54-32W
Buoy D - 127	45-31-26N, 127-35-38W

Chart 501

LNM: 29/03

OREGON / WASHINGTON - COASTAL REGION - NOAA

NOAA buoys 46404 and 46405 have been temporarily discontinued.

Chart 501

LNM: 14/04

MONTANA - LORSTA HAVRE - LORAN-C Proposed Outage

LORAN Station Havre (Rate 8290-M) proposes an unusable time from 1500 to 1900Z on 28 Sep 04. The alternate time will be from 1500 to 1900Z on 29 Sep 04. Objections will be considered until 1500Z on 23 Sep 04. For additional information or objections, contact the Chain Operations Control Officer, U.S. West Coast Chain at (707) 765-7518/7598.

Chart N/A

LNM: 31/04

WASHINGTON - SPOKANE NDGPS Off Air Approval

NDGPS Spokane will be unusable from 1700 to 1900Z on 14 Sep 04. The alternate time will be from 1700 to 1900Z on 15 Sep 04. For additional information or objections, contact Navigation Center DGPS Operations at (707) 765-7612.

Chart N/A

LNM: 31/04

WASHINGTON - OFF SHORE - Research Buoys

The Scripps Institution of Oceanography has deployed bottom mounted buoys within 6 fathoms of the bottom at positions 47-21-47.8N 124-45-23.2W and 47-26-53.6N 125-08-18.5W. The buoys will be recovered by 10 Oct 04 with the moors remaining on site. For additional information, contact Scripps Institution of Oceanography at (858) 534-6937.

Chart 18500

LNM: 28/04

WASHINGTON - OFFSHORE - Research Buoys

The Olympic Coast National Marine Sanctuary will be deploying research buoys in the waters of the sanctuary from 17 May to 08 Oct 04. These buoys will be anchored in depths between 15 and 42 meters. Each buoy will consist of unlit, 16ft halibut longline, and aluminum poles with floats and red flags, each topped with a radar reflector. The locations of the buoys are:

Buoy	Latitude	Longitude	Planned depth
MB-1	48-19-30.0N	124-40-54.0W	15m
MB-2	48-19-18.0N	124-44-18.0W	42m
CA-1	48-09-54.0N	124-45-24.0W	15m
CA-2	48-09-54.0N	124-48-12.0W	42m
TH-1	47-52-30.0N	124-37-06.0W	15m
TH-2	47-50-42.0N	124-37-42.0W	31m
KL-1	47-35-54.0N	124-25-36.0W	15m
KL-2	47-35-36.0N	124-29-36.0W	27m
CE-1	47-21-19.0N	124-28-06.0W	42m

For additional information, contact Olympic Coast National Marine Sanctuary at (360) 457-6622.

Chart 18480

LNM: 19/04

WASHINGTON - STRAIT OF JUAN DE FUCA - Puget Sound Vessel Traffic Services Measure (33CFR161.11)

In support of the Cooperative Vessel Traffic Services (CVTS) Agreement all vessels over 300GT inbound for the U.S. via the Strait of Juan De Fuca are required to submit a 24 hour CVTS offshore advancement report. Follow the IMO Standard Ship Reporting system (Resolution A.648 (16), MSC/WP6).

Submit the report using the methods below.

- Via e-mail, rmic-pacific@pac.dfo-mpo.gc.ca
- Via INMARSAT telex 04352586 "CGTC VAS VCR"
- Via any Canadian Coast Guard MCTS Centre, free of charge
- Or directly to CVTS Offshore by FAX: 604-666-8453

For additional information, contact Vessel Traffic Services, Puget Sound at (206) 217-6051.

Chart N/A

LNM: 29/04

WASHINGTON - PUGET SOUND - Geoduck Harvesting

Geoduck harvesting will be conducted in the area of Freshwater Bay (west of Port Angeles) Squamish Harbor and south of Hood Head (both on the west side of the Hood Canal Bridge) and at Lofall (on the south east side of the Hood Canal Bridge) from 22 Jun to 08 Oct 04. These operations will take place from 0800 until 1600 local, Monday through Friday, excluding state holidays. The Department of Natural Resources patrol boat will be onsite and monitoring VHF-FM Channel 8. Vessels transiting the area are requested to stay 300ft clear of divers. For additional information, contact Washington Department of Natural Resources at (360) 902-1100.

Chart 18465,18445

LNM: 26/04

WASHINGTON - STRAIT OF JUAN DE FUCA - PUGET SOUND - Security Zone of Passenger Vessels (Revision to LNM 06/03)

The Coast Guard is establishing a temporary moving security zone of 500 yards surrounding passenger vessels while within the waters of Puget Sound and adjacent waters. A passenger vessel is defined as any vessel over 100 feet in length (33 meters) carrying passengers for hire such as auto ferries, cruise ships, passenger ferries, and excursion vessels. All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the Official Patrol or passenger vessel master. The Official Patrol will consist of a Coast Guard patrol, Federal Law Enforcement officer or a General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, Specially Commissioned Washington Peace Officer, or the passenger vessel master. This order is issued under the authority of the Ports and Waterways Safety Act, Title 33, U. S. Code 1221 et. Seq., and the regulations issued thereunder, Title 33, Code of Federal Regulations Part 165.

Physical Boundaries: The following area is a security zone: All waters of Puget Sound, Washington State east of 123-30-00W [Datum: NAD 1983] within a 500 yard radius centered on passenger vessels while they are underway, anchored or moored.

Special Rules: All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course, and shall proceed as directed by the Official Patrol or the passenger vessel master. No vessels will be allowed to transit this area without the permission of the Coast Guard, the Official Patrol or the passenger vessel master. Penalties for violating the zone: The Ports and Waterways Safety Act prescribes that whoever violates an order issued under the act is liable to a civil penalty of not more than \$27,500 for each violation. Each day of continuing violation shall constitute a separate violation. If such a violation is willful, you are subject to a criminal penalty of not more than \$250,000 and/or six years imprisonment. This criminal penalty is classified as a class "D" felony under federal law. Contact the Coast Guard Marine Safety Office, Puget Sound at (206) 217-6215 or VHF-FM Channel 16 for more information.

Chart N/A

LNM: 32/03

WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - Ongoing Construction of Pier 36

During ongoing construction at Pier 36 that is expected to be completed September 2005, barges will be moored on the western face of Pier 36 sporadically. Barges will be marked with white flashing lights on the west corners and extend off the face no more than 110 ft. Mariners are requested to exercise caution in the vicinity of Pier 36.

Chart 18449

LNM: 33/03

WASHINGTON - HOOD CANAL - Surface / Subsurface Operations

Naval Undersea Warfare Center Division, Keyport is operating an Undersea Unmanned Vehicle (UUV) in the vicinity of Oak Head at approximate position 47-40-01N 122-49-01W during day light hours until 15 Sep 04. The U.S. Navy Barge YC-1631, a small navy boat and a Dabob Range Guard Boat will be on scene. Mariners are requested to use caution in the vicinity, and may contact Navy Barge YC -1631 on VHF-FM Channel 16 or 18. For additional information, contact Navy Barge YC-1631 at (360) 265-2243.

Chart 18458

LNM: 25/04

WASHINGTON - PUGET SOUND - Acoustic Buoys

Evans-Hamilton, Inc has deployed two acoustic doppler current meters (ADCPs) in approximate positions 47-45-44.1N 122-23-56.4W and 47-46-43.4N 122-24-40.2W. The instruments are in aluminum cages resting on the sea floor with no surface expression and will remain in place until early Oct 04. For additional information, contact Evans -Hamilton, Inc at (206) 526-5622.

Chart 18441

LNM: 25/04

WASHINGTON - LAKE WASHINGTON - Lock Closure

The Hiram M. Chittenden Large Lock will be closed to all traffic, with the small lock remaining open to all vessels within size restrictions from 0001 20 Nov to 1600 local 03 Dec 04 for annual maintenance. For additional information, contact the Army Corps of Engineers at (206) 783-7000.

Chart 18447

LNM: 22/04

WASHINGTON - TACOMA HARBOR - Excavation Activities

NRC Environmental Services Inc will be conducting excavation activities in the tidal zone at the head of Middle Waterway from 29 Jul to 30 Sep 04. Mariners are requested to minimize wake in the vicinity of the excavation. For additional information, contact NRC Environmental Services Inc at (206) 546-7176.

Chart 18453

LNM: 31/04

WASHINGTON - PUGET SOUND - DUWAMISH WATERWAY - Submerged Barge (Revision of LNM 05/03)

Six barges rather than the one barge previously reported in December 2002, have sunk in the Duwamish Waterway approximately 150 yards south of the 1st Avenue Bridge and are protruding into the west side of the channel. The owner of the partially submerged barge has marked the corner in the channel with a red float and a quick flashing red light. Attempts to salvage the barge have been unsuccessful. An announcement will appear in this publication as changes occur. Contact the Army Corps of Engineers at (206) 764-3429 for more information.

Chart 18450

LNM: 16/03

WASHINGTON - PUGET SOUND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
09/15/2004	Fall Evening Wed Eve	Lake Washington	Corinthian Yacht Club
09/17/2004	Maritime Festival	Thea Park, Tacoma	Childs' Fireworks Display Co., Inc.
09/17/2004	September Six Pac	Sinclair Inlet	West Sound Corinthian YC
09/18/2004	Wind Seekers Maritime Fest	Commencement Sound	Wind Seekers Yacht Club
09/18/2004	Bellingham Traverse	Bellingham Bay	Bellingham Benefits
09/18/2004	Star and Bar Regatta	Vicinity Shilshole Bay Marina	Seattle Yacht Club
09/18/2004	Dinghy Races	South Puget Sound	South Sound Sailing Society
09/18/2004	Spring to Winter Series	Des Moines Area	Three Tree Point YC
09/19/2004	Sailboat Races	Shilshole Marina to Point Monroe	Seattle Singles Yacht Club

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
09/19/2004	Star and Bar Regatta	Vicinity Shilshole Bay Marina	Seattle Yacht Club
09/19/2004	Keelboat Races	South Puget Sound	South Sound Sailing Society
09/19/2004	Primal Quest	Around Orcas Island	California Sports Marketing, Inc.
09/18/2004	Spring to Winter Series	Des Moines Area	Three Tree Point YC
09/25/2004	NW Harvest Benefit Race	Vicinity Shilshole Marina	Seattle Singles Yacht Club
09/25/2004	Norm Balnchard Wood Regatta	Lake Union	Center for Wooden Boats
09/25/2004	Cheney Cup	Fidalgo Bay	Anacortes Yacht Club
09/25/2004	Wind Seekers Fall #2	Commencement Sound	Wind Seekers Yacht Club
09/26//2004	One-Design Fall Weekend	Meadow Pt	Corinthian Yacht Club
09/26/2004	Norm Balnchard Wood Regatta	Lake Union	Center for Wooden Boats
09/27/2004	Autumn Series	Possession Sound	Milltown Sailing Association
09/27/2004	Fall Regatta	Possession Sound	Milltown Sailing Association

WASHINGTON - PORT ANGELES - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
09/26/2004 to 10/31/2004	Autumn Sailing Series	Port Townsend Bay	Wooden Boat Foundation

OREGON - PORTLAND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
09/18/2004	Columbia Crossing Swim	Chiawana Park to Columbia Park	Columbia Basin Dive Rescue
09/18-19/2004	WA State Championship	Howard Amon Park, Richland WA	Mid Columbia Water Cross
09/19/2004	11 th Annual Row for the Cure	Willamette River, Hawthorne Bridge to Fremont Bridge	Station L Rowing Club

SECTION VIII – LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
YAQUINA HEAD TO COLUMBIA RIVER								
655	<i>Depoe Bay Approach</i>	44 48 29 N	Mo (A) W		5	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.	37/04
9780	<i>Lighted Whistle Buoy DB</i>	124 05 19 W			*			
Umpqua River								
9340	CHANNEL LIGHT 22	43 44 48 N	Fl R 6s		4	TR on pile.	Ra ref.	37/04
	*	124 07 59 W	*		*			
Yaquina Bay								
9652	OSU Dock Light	44 37 30 N	F Y			On steel pile.	Private aid.	37/04
*	*	124 02 37 W	*			*	*	
Depoe Bay								
9780	<i>- Approach Lighted Whistle Buoy DB</i>	44 48 29 N	Mo (A) W		5	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.	37/04
655		124 05 19 W			*			
Lake Umatilla								
12665	IRRIGON LOWER RANGE FRONT LIGHT 60	45 54 05 N	Q R	34		KRW on skeleton tower, TR oriented upstream.	Visible all around; higher intensity on rangeline.	37/04
	*	119 30 52 W				17		
Lake Wallula								
13017	Agrium Research Lighted Buoy A	46 09 54 N	Fl Y 6s			Yellow research buoy.	Private aid.	37/04
*	*	119 00 45 W	*			*	*	
13018	Agrium Research Lighted Buoy B	46 09 58 N	Fl Y 6s			Yellow research buoy.	Private aid.	37/04
*	*	119 00 52 W	*			*	*	
Lake Sacajawea								
13320	- LIGHT 16	46 21 16 N	Fl R 4s	40	3	TR on platform.	*	37/04
		118 44 43 W						

13580	Lower Monumental - LIGHT 21	46 36 31 N 118 18 39 W	FI G 2.5s	18	4 *	SG on platform.		37/04
14135	Franklin D. Roosevelt Lake - LIGHT B		FI W 6s	14	5 *	NR on box.		37/04
14140	- LIGHT C		FI W 2.5s	16	5 *	NR on box.		37/04
14150	- LIGHT D		FI W 4s	20	5 *	NR on box.		37/04
14175	- LIGHT F		FI W 2.5s	18	5 *	NR on box.		37/04
14180	- LIGHT G		FI W 4s	18	5 *	NR on box.		37/04
14190	- LIGHT H		FI W 6s	16	5 *	NR on box.		37/04
14195	- LIGHT I		FI W 2.5s	16	5 *	NR on box.		37/04
14245	Spokane River Arm - Buoy 4					White. *		37/04
14335	Franklin D. Roosevelt Lake - LIGHT Y	48 26 48 N 118 12 46 W *	FI W 2.5s	15	5 *	NR on house.		37/04
14345	- LIGHT AA		FI W 4s	10	5 *	NB on box.		37/04
14980	Willamette River Stevens Point Buoy 2	45 28 39 N 122 40 05 W *				Red nun.		37/04
15571	Grays harbor <i>Entrance Lighted Whistle Buoy 8</i>	46 54 29 N 124 10 57 W	Q R		3	Red.	*	37/04
16510	Admiralty Inlet <i>Puget Sound Traffic Lane Separation Lighted Buoy SC</i>	48 01 51 N 122 38 10 W	FI Y 2.5s *		6 *	Yellow.		37/04
17227 *	Puget Sound Tacoma Narrows Outfall Pipe Lighted Buoy *	47 16 24 N 122 33 22 W *	FI W 4s *			Orange and white can. *	Private aid. *	37/04
19755	Haro Strait Pearl Island Dock Light	48 37 02 N 123 09 39 W	FI Y 4s *			On pile.	Private aid.	37/04
20159 *	Lake Pend Oreille Cape Horn Marina Light *	47 59 00 N 116 30 25 W *	FI Y 4s *			On steel pile. *	Private aid. *	37/04

PUBLICATION CORRECTIONS

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2004 (36th) Edition. Change No. 20.

Coast Pilot 7 36th 2004 Corrections

Page 186-Paragraph 3160, line 7; read:
security, safety or environmental safety.

§165.1321 Security Zone; Protection of Military Cargo, Captain of the Port Zone Puget Sound, WA.

(a) *Notice of enforcement or suspension of enforcement.* The Captain of the Port Puget Sound will enforce the security zones established by this section only upon notice. Captain of the Port Puget Sound will cause notice of the

enforcement of these security zone to be made by all appropriate means to effect the widest publicity among the affected segments of the public including publication in the **Federal Register** as practicable, in accordance with 33 CFR 165.7(a). Such means of notification may also include but are not limited to, Broadcast Notice to Mariners or Local Notice to Mariners. The Captain of the Port Puget Sound will issue a Broadcast Notice to Mariners and Local Notice to

Mariners notifying the public when enforcement of these security zones is suspended.

(b) *Definitions.* The following definitions apply to this section:

Designated Representative means those persons designated by the Captain of the Port to monitor these security zones, permit entry into these zones, give legally enforceable orders to persons or vessels with in these zones and take other actions authorized by the Captain of the Port. Persons authorized in paragraph (g) to enforce this section and Vessel Traffic Service Puget Sound (VTS) are Designated Representatives.

Federal Law Enforcement Officer means any employee or agent of the United States government who has the authority to carry firearms and make warrantless arrests and whose duties involve the enforcement of criminal laws of the United States.

Navigable waters of the United States means those waters defined as such in 33 CFR Part 2.

Public vessel means vessels owned, chartered, operated by the United States, or by a State or political subdivision thereof.

Washington Law Enforcement Officer means any General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, or Specially Commissioned Washington Peace Officer as defined in Revised Code of Washington section 10.93.020.

(c) *Security zone.* The following areas are security zones:

(1) *Blair Waterway Security Zone:* The Security Zone in the Blair Waterway, Commencement Bay, WA, includes all waters enclosed by a line connecting the following points: 47°16'57"N., 122°24'39"W., which is approximately the beginning of Pier No. 23 (also known as the Army pier); then northwesterly to 47°17'05"N., 122°24'52"W., which is the end of the Pier No. 23 (Army pier); then southwesterly to 47°16'42"N., 122°25'18"W., which is the approximate location of a private buoy on the end of the sewage outfall; then southeasterly to 47°16'33"N., 122°25'04"W., which is approximately the northwestern end of Pier 5; then northeasterly to the northwestern end of Pier No. 1; then southeasterly along the shoreline of the Blair Waterway to the Blair Waterway turning basin; then along the shoreline around the Blair Waterway turning basin; then northwesterly along the shoreline of the Blair Waterway to the Commencement

Bay Directional Light (light list number 17159); then northeasterly along the shoreline to the point of origin [Datum: NAD 1983].

(2) *Sitcum Waterway Security Zone:* The Security Zone in the Sitcum Waterway, Commencement Bay, WA, includes all waters enclosed by a line connecting the following points:

47°16'33"N., 122°25'04"W., which is approximately the northwestern end of Pier No. 5; then northwesterly to 47°16'42"N., 122°25'18"W., which is the approximate location of a private buoy on the end of the sewage outfall; then southwesterly to 47°16'23"N., 122°25'36"W.; then southeasterly to 47°16'10"N., 122°25'27"W., which is the northwestern corner of Pier No. 2; then extending northeasterly to 47°16'13"N., 122°25'13"W.; then extending southeasterly along the shoreline of the Sitcum Waterway; then northeasterly along the shoreline at the terminus of the Sitcum Waterway and then northwesterly along the shoreline of the Sitcum Waterway; then northeasterly along the shoreline of Pier No. 5 to the point of origin [Datum: NAD 1983].

(d) *Obtaining permission to enter, move within, or exit the security zones.* All vessels must obtain permission from the COTP or a Designated Representative to enter, move within, or exit the security zones established in this section when these security zones are enforced. Vessels 20 meters or greater in length should seek permission from the COTP or a Designated Representative at least 4 hours in advance. Vessels less than 20 meters in length should seek permission at least 1 hour in advance. VTS Puget Sound may be reached on VHF channel 14.

(e) *Compliance.* Upon notice of enforcement by the Captain of the Port Puget Sound, the Coast Guard will enforce these security zones in accordance with rules set out in this section. Upon notice of suspension of enforcement by the Captain of the Port Puget Sound, all persons and vessels are authorized to enter, transit, and exit these security zones.

(f) *Regulations.* Under the general regulations in 33 CFR part 165 subpart D, this section applies to any vessel or person in the navigable waters of the United States to which this section applies. No person or vessel may enter the security zones established in this section unless authorized by the Captain of the Port or his designated

representatives. Vessels and persons granted permission to enter the security zone shall obey all lawful orders or directions of the Captain of the Port or his designated representatives. All vessels shall operate at the minimum speed necessary to maintain a safe course.

(g) *Enforcement*. Any Coast Guard commissioned, warrant or petty officer may enforce the rules in this section. In the navigable waters of the United States to which this section applies, when immediate action is required and representatives of the Coast Guard are not present or not present in sufficient force to provide effective enforcement of this section, any Federal Law Enforcement Officer or Washington Law Enforcement Officer may enforce the rules contained in this section pursuant to 33 CFR 6.04-11. In addition, the Captain of the Port may be assisted by other federal, state

or local agencies in enforcing this section pursuant to 33 CFR 6.04-11.

(b) *Exemption*. Public vessels as defined in paragraph (b) of this section are exempt from the requirements in this section.

(i) *Waiver*. For any vessel, the Captain of the Port Puget Sound may waive any of the requirements of this section, upon finding that operational conditions or other circumstances are such that application of this section is unnecessary or impractical for the purpose of port security, safety or environmental safety.

(FR 8/27/04)

Page 558-Paragraph 431, line 7; read: clearance of 173 feet.

Security zones are in the Sitcum Waterway and Blair Waterway areas. (See **165.1 through 165.8, 165.30 and 165.1321**, chapter 2, for limits and regulations.)

(FR 8/27/04)

ENCLOSURES

Oregon - Washington - Columbia River - Dredging Operations >See Append 1<
Columbia River Tabulation - COLUMBIA RIVER CHANNEL ENTRANCE TO MILLER SANDS >See Append 2<
Columbia River Tabulation - MILLER SANDS RANGE TO GULL ISLAND TURN >See Append 3<
Columbia River Tabulation - GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN >See Append 4<
Columbia River Tabulation - SAINT HELENS TURN TO TOMAHAWK BAR >See Append 5<
Columbia River Tabulation - MORGAN CHANNEL TO TOMAHAWK BAR >See Append 6<
Columbia River Tabulation - TOMAHAWK BAR TO BONNEVILLE LOCKS >See Append 7<

If you have any questions, comments, or need additional information concerning this or other LNM's or the LNM Mailing List (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

D. R. McCRIMMON, JR.
Commander, U.S. Coast Guard
Chief, Aids to Navigation & Waterways Management Branch
Thirteenth Coast Guard District
By direction of the District Commander

OREGON – WASHINGTON – COLUMBIA RIVER – Dredging Operations

Dredging operations are planned or in progress at the following locations :

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNМ
16 Aug 04	15 Feb 05	0700-1900 Mon - Fri	<u>Duwamish River</u>	DB Seattle		14 and 16 VHF-FM	Terminal 25	32/04
19 Jul 04	15 Feb 05	0500-1800 Mon - Fri	<u>East Waterway</u>	Mason Derrick	Olympic Tug, Rebel and Minnie	8 and 14 VHF-FM	Terminal 25 and Elliott Bay	28/04
16 Jul 04	Dec 04	24 hours 6 days	<u>Blair Waterway</u>	Vulcan	Gladys M Wollochot	13, 14 and 66 VHF-FM	Blair Waterway Slip 5 and PSSDA	28/04
07 Sep 04	01 Oct 04	Mon to Sat 20 hours	<u>Port of Chinook</u>	Dredge Number 9	Deschutes and Henry D	13 and 16 VHF-FM	River Mile 6	35/04
16 Jul 04	30 Sep 04	24 hours 7 days	<u>Hylebos Waterway</u>	Patriot		14 and 69 VHF-FM	Blair Waterway Slip 1	26/04
13 Sep 04	25 Sep 04	24 hours 7 days	<u>Coos Bay / Charleston Channel</u> <u>River Mile +0+12+00 to +10+00+00</u>	Yaquina		13 and 16 VHF-FM	Coos Bay Ocean Site F	37/04
24 Aug 04	24 Sep 04	24 hours 7 days	<u>Harrington Point Sump</u> <u>River Mile +21+40+00 to +20+10+00</u>	Oregon		13 and 16 VHF-FM	Upland Rice Island	34/04

*US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made.

CHART 18521

COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 20, 2004								
* SEE FOOTNOTES						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CND (FEET)
ENTRANCE RANGE	58	58	52	42	7-04	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	48	51	50	47	7-04	2640	2.2	48
LOWER DESDEMONA SHOAL	44	45	44	40	7-04	600	3.4	40
UPPER DESDEMONA SHOAL	40	42	46	45	7-04	600	3.6	40
TANSY POINT TURN AND RANGE	38	40	41	33	7-04, 8-04	600	4.8	40
ASTORIA RANGE	40	42	43	41	7-04	600	2.7	40
TONGUE POINT CHANNEL	40	43	41	41	8-04	600	2.2	40
HARRINGTON POINT RANGE	38	41	44	39	7-04, 8-04	600	2.6	40
MILLER SANDS RANGE	39	41	40	39	7-04	600	2.2	40

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT

* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 18523

COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 20, 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	39	41	40	39	7-04	600	2.2	40
PILLAR ROCK LOWER RANGE	38	39	39	38	7-04	600	3.0	40
PILLAR ROCK UPPER RANGE	35	40	40	39	7-04	600	1.9	40
WELCH ISLAND REACH	43	42	41	36	7-04	600	3.2	40
SKAMOKAWA CHANNEL	22	42	39	37	7-04	600	3.3	40
STEAMBOAT REACH	48	48	43	40	7-04	600	1.4	40
PUGET ISLAND RANGE AND TURN	40	42	38	34	7-04	600	3.5	40
WAUNA RANGE	37	39	38	37	8-04	600	2.2	40
DRISCOLL RANGE	38	38	40	40	8-04	600	1.7	40
WESTPORT TURN AND RANGE	37	40	41	41	7-04	600	2.0	40
WESTPORT CHANNEL	37	39	39	38	7-04, 8-04	600	2.4	40
EUREKA LOWER CHANNEL	46	41	42	44	8-04	600	2.1	40
EUREKA UPPER CHANNEL	42	44	43	42	8-04	600	0.8	40
OAK POINT CHANNEL	44	45	43	43	8-04	600	2.4	40
GULL I TURN AND CHANNEL	45	50	40	35	8-04	600	2.2	40
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION								

CHART 18524

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 20, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	45	50	40	35	8-04	600	2.2	40
STELLA RANGE	38	40	37	37	8-04	600	2.8	40
FISHER I CHANNEL	42	42	39	38	8-04	600	0.9	40
WALKER I CHANNEL	37	42	36	35	8-04	600	1.5	40
BARLOW PT. CHANNEL	42	44	40	39	8-04	600	1.3	40
SLAUGHTERS CHANNEL	39	40	40	39	7-04	600	2.3	40
SLAUGHTERS TURN AND CHANNEL								
OPPOSITE THE TURNING BASIN	39	39	40	39	7-04	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	41	41	41	39	8-04	600	1.7	40
COTTONWOOD ISLAND TURN	43	42	40	38	7-04, 8-04	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE								
KALAMA LOWER RANGE	41	41	40	40	7-04	600	1.8	40
KALAMA UPPER RANGE	42	36	41	32	7-04	600	1.8	40
BYBEE LEDGE CHANNEL	38	41	40	39	7-04, 8-04	600	2.2	40
MARTIN ISLAND CHANNEL	40	41	42	39	8-04	600	2.1	40
MARTIN ISLAND RANGE	42	39	38	38	8-04	600	2.1	40
COLUMBIA CITY CHANNEL	39	42	42	41	8-04	600	1.4	40
ST. HELENS RANGE	38	40	38	38	8-04	600	1.2	40
ST. HELENS TURN	39	40	41	38	7-04	600	2.0	40
	42	43	41	36	7-04, 8-04	600	1.7	40
* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18525

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF AUG 20, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	42	43	41	36	7-04, 8-04	600	1.7	40
WARRIOR ROCK RANGE	39	40	39	38	8-04	600	1.3	40
DUCK CLUB TURN	37	37	42	42	8-04	600	1.4	40
HENRICI RANGE	37	39	38	39	8-04	600	2.6	40
FALES CHANNEL	41	41	38	38	8-04	600	1.1	40
KNAPP POINT CHANNEL	39	41	40	38	8-04	600	1.8	40
WILLOW LOWER RANGE	39	41	41	38	8-04	600	2.1	40
WILLOW UPPER RANGE	40	43	40	46	8-04	600	1.1	40
MORGAN BAR	42	44	49	49	8-04	600	1.0	40
MORGAN CHANNEL	46	44	41	42	8-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	49	47	8-04	500	1.0	40
VANCOUVER RANGE	40	42	42	41	8-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	38	39	8-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	37	38	41	41	8-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	27	25	24	8-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18526

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 20, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	44	41	42	8-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	49	47	8-04	500	1.0	40
VANCOUVER RANGE	40	42	42	41	8-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	38	39	8-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	37	38	41	41	8-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	27	25	24	8-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 18531

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 20, 2004							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	18	18	18	3-04	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	16	17	17	3-04	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	14	18	16	3-04	300	1.6	27
FISHER QUARRY CHANNEL RANGE	26	24	21	3-04	300	1.0	27
GOVERNMENT ISLAND RANGE	25	30	25	3-04	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	21	3-04	300	0.8	27
LADY ISLAND RANGE	18	21	23	3-04	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	28	19	3-04	300	0.9	27
WASHOUGAL LOWER RANGE	21	28	28	3-04	300	1.5	27
WASHOUGAL UPPER RANGE	19	26	30	3-04	300	1.1	27
GARY ISLAND RANGE	16	15	15	3-04	300	0.9	27
REED ISLAND RANGE	18	15	14	10-03, 3-04	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	26	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							